

#### PRESCRIPTIVE GENERAL LIGHTING UPGRADES

1. INCANDESCENT UPGRADES to COMPACT FLUORESCENT LAMPS & FUXITURES. One-for-one replacements or retrofits from incandescent lighting to CFL technology. New self-ballasted CFLs must be ENERGY STAR® Listed or equivalent, must have an efficacy  $\geq$  50 mean lumens per watt (MLPW) and may installed in open or enclosed fixtures in accordance with manufacturer recommendations. New CFL flood lamps must have an efficacy  $\geq$  33 MLPW. New CFL fixtures must use pin-based CFL lamps and be hard-wired with electronic ballasts having a power factor (PF)  $\geq$  0.90 and producing a total harmonic distortion (THD)  $\leq$  20%.

| Measure<br>No. | From Existing                | To New Equipment    | Unit    | Quantity<br>Installed | Incentive<br>per Unit | Extended<br>Incentive                   |
|----------------|------------------------------|---------------------|---------|-----------------------|-----------------------|---|
| 1L101          | Incandescent, ≤100 watts     | CFL, ≤ 30 watts     | Lamp    |                       | \$2.00                |   |
| 1L102          | Incandescent, > 100 watts    | CFL, 31 - 115 watts | Lamp    |                       | \$8.00                |   |
| 1L103          | Incandescent Reflector Flood | CFL Reflector Flood | Lamp    |                       | \$8.00                |   |
| 1L104          | Incandescent fixture         | CFL Fixture         | Fixture |                       | \$25.00               | *************************************** |

2. INTERIOR FLUORESCENT UPGRADES to T8 STANDARD PERFORMANCE or HIGH OUTPUT LIGHTING. One-for-one retrofits/replacements of T12 lamp and ballast systems to T8 or T8HO lighting systems. New lamps must have a color rendering index (CRI)  $\geq$  80. New ballasts must be electronic; have a PF  $\geq$  0.90; produce a THD  $\leq$  20% for 4-ft and 8-ft lamps or a THD  $\leq$  35% for lamps less than 4-ft in length; and must have a 5-year manufacturer's warranty.

| Measure<br>No. | From Existing Equipment | To<br>New Equipment | Unit    | Quantity<br>Installed | Incentive<br>per Unit | Extended<br>Incentive |
|----------------|-------------------------|---------------------|---------|-----------------------|-----------------------|-----------------------|
| 1L201          | 2-ft T12 1-lamp         | 2-ft T8 1-lamp      | Fixture |                       | \$2.00                |                       |
| 1L202          | 2-ft T12 2-lamp         | 2-ft T8 2-lamp      | Fixture |                       | \$5.00                |                       |
| 1L203          | 2-ft T12 3-lamp         | 2-ft T8 3-lamp      | Fixture |                       | \$7.00                |                       |
| 1L204          | 2-ft T12 4-lamp         | 2-ft T8 4-lamp      | Fixture |                       | \$10.00               |                       |
| 1L205          | 3-ft T12 1-lamp         | 3-ft T8 1-lamp      | Fixture |                       | \$4.00                | 0.00                  |
| 1L206          | 3-ft T12 2-lamp         | 3-ft T8 2-lamp      | Fixture |                       | \$7.00                |                       |
| 1L207          | 3-ft T12 3-lamp         | 3-ft T8 3-lamp      | Fixture |                       | \$13.00               |                       |
| 1L208          | 3-ft T12 4-lamp         | 3-ft T8 4-lamp      | Fixture |                       | \$11.00               |                       |
| 1L209          | 4-ft T12 1-lamp         | 4-ft T8 1-lamp      | Fixture |                       | \$5.00                |                       |
| 1L210          | 4-ft T12 2-lamp         | 4-ft T8 2-lamp      | Fixture |                       | \$8.00                |                       |
| 1L211          | 4-ft T12 3-lamp         | 4-ft T8 3-lamp      | Fixture |                       | \$12.00               |                       |
| 1L212          | 4-ft T12 4-lamp         | 4-ft T8 4-lamp      | Fixture |                       | \$15.00               |                       |
| 1L213          |                         | 8-ft T8 1-lamp      | Fixture |                       | \$4.50                |                       |
| 1L214          | 8-ft T12 1-lamp         | 8-ft T8HO 1-lamp    | Fixture |                       | \$8.50                |                       |
| 1L215          |                         | 8-ft T8 2-lamp      | Fixture |                       | \$3.00                |                       |
| 1L216          | 8-ft T12 2-lamp         | 8-ft T8HO 2-lamp    | Fixture |                       | \$13.00               |                       |
| 1L217          | U-lamp T12 1-lamp       | U-lamp T8 1-lamp    | Fixture |                       | \$3.00                |                       |
| 1L218          | U-lamp T12 2-lamp       | U-lamp T8 2-lamp    | Fixture |                       | \$3.50                |                       |
| 1L219          | U-lamp T12 1-lamp       | 2-ft T8 2-lamp      | Fixture |                       | \$3.00                |                       |
| 1L220          | U-lamp T12 2-lamp       | 2-ft T8 4-lamp      | Fixture |                       | \$4.00                |                       |



### PRESCRIPTIVE GENERAL LIGHTING UPGRADES

3. INTERIOR LINEAR FLUORESCENT UPGRADES to T5 STANDARD PERFORMANCE or HIGH OUTPUT LIGHTING. One-for-one retrofits/replacements of T12 lamps and ballast systems to T5 or T5HO lighting systems. New lamps must have a CRI  $\geq$  80. New ballasts must be electronic; have a PF  $\geq$  0.90; produce a THD  $\leq$  20%; and have a 5-year manufacturer's warranty.

| Measure<br>No. | From Existing Equipment | To New Equipment | Unit    | Quantity<br>Installed | Incentive per Unit | Extended<br>Incentive |
|----------------|-------------------------|------------------|---------|-----------------------|--------------------|-----------------------|
| 1L301          | 4 ft T12 1 l            | 4-ft T5 1-lamp   | Fixture | 1                     | \$4.00             |                       |
| 1L302          | 4-ft T12 1-lamp         | 4-ft T5HO 1-lamp | Fixture |                       | \$5.00             |                       |
| 1L303          | 4 ft T12 2 l            | 4-ft T5 2-lamp   | Fixture |                       | \$5.00             |                       |
| 1L304          | 4-ft T12 2-lamp         | 4-ft T5HO 2-lamp | Fixture |                       | \$6.00             |                       |
| 1L305          | 4 ft T12 2 l            | 4-ft T5 3-lamp   | Fixture |                       | \$6.00             |                       |
| 1L306          | 4-ft T12 3-lamp         | 4-ft T5HO 3-lamp | Fixture |                       | \$7.00             |                       |
| 1L307          | 4.6. T12.4 laws         | 4-ft T5 4-lamp   | Fixture |                       | \$8.00             |                       |
| 1L308          | 4-ft T12 4-lamp         | 4-ft T5HO 4-lamp | Fixture |                       | \$10.00            |                       |

4. INTERIOR FLUORESCENT UPGRADES to T8 HIGH PERFORMANCE or REDUCED WATTAGE LIGHTING. One-for-one retrofits/replacements of T12 or T12HO lamps and ballast systems with HPT8 or RWT8 lighting systems. All new lamps must be CEE Listed as either reduced wattage (RW) or high performance (HP). All new ballasts must be CEE Listed as reduced wattage (RW) or high performance (HP). A list of CEE Listed lamps & ballasts can be found at www.cee1.org.

| Measure<br>No. | From Existing<br>Equipment | To New Equipment   | Unit    | Quantity<br>Installed | Incentive<br>per Unit | Extended Incentive |
|----------------|----------------------------|--------------------|---------|-----------------------|-----------------------|--------------------|
| 1L401          | 4 ft T12 1 l               | 4-ft HPT8 1-lamp   | Fixture |                       | \$5.00                |                    |
| 1L402          | 4-ft T12 1-lamp            | 4-ft RWT8 1-lamp   | Fixture |                       | \$5.00                |                    |
| 1L403          | 4 ft T12 2 laws            | 4-ft HPT8 2-lamp   | Fixture |                       | \$8.00                |                    |
| 1L403          | 4-ft T12 2-lamp            | 4-ft RWT8 2-lamp   | Fixture |                       | \$10.00               |                    |
| 1L405          | 4 ft T12 2 laws            | 4-ft HPT8 3-lamp   | Fixture |                       | \$12.00               |                    |
| 1L406          | 4-ft T12 3-lamp            | 4-ft RWT8 3-lamp   | Fixture |                       | \$14.00               |                    |
| 1L407          | 4 ft T12 4 laws            | 4-ft HPT8 4-lamp   | Fixture |                       | \$16.00               |                    |
| 1L408          | 4-ft T12 4-lamp            | 4-ft RWT8 4-lamp   | Fixture |                       | \$18.00               |                    |
| 1L409          | 8-ft T12 1-lamp            | 4-ft HPT8 2-lamp   | Fixture |                       | \$5.00                |                    |
| 1L410          | 8-ft T12 2-lamp            | 4-ft HPT8 4-lamp   | Fixture |                       | \$6.00                |                    |
| 1L411          | 8-ft T12HO 1-lamp          | 4-ft HPT8 2-lamp   | Fixture |                       | \$14.00               |                    |
| 1L412          | 8-ft T12HO 2-lamp          | 4-ft HPT8 4-lamp   | Fixture |                       | \$24.00               |                    |
| 1L413          | U-lamp T12 1-lamp          | 2-ft HPT8 2-lamp   | Fixture | 1                     | \$4.50                |                    |
| 1L414          | U-lamp T12 2-lamp          | 2-ft HPT8 4-lamp   | Fixture |                       | \$6.00                |                    |
| 1L420          | U-lamp T12 1-lamp          | U-lamp HPT8 1-lamp | Fixture |                       | \$4.50                |                    |
| 1L421          | U-lamp T12 2-lamp          | U-lamp HPT8 2-lamp | Fixture |                       | \$6.00                |                    |
| 1L415          | 4-ft T8 1-lamp             | 4-ft RWT8 1-lamp   | Fixture |                       | \$2.00                |                    |
| 1L416          | 4-ft T8 2-lamp             | 4-ft RWT8 2-lamp   | Fixture |                       | \$4.00                |                    |
| 1L417          | 4-ft T8 3-lamp             | 4-ft RWT8 3-lamp   | Fixture |                       | \$5.00                |                    |
| 1L418          | 4-ft T8 4-lamp             | 4-ft RWT8 4-lamp   | Fixture |                       | \$8.00                |                    |

| 11415 4-it to tamponly 4-it twite tamponly tamp | 1L419 | 4-ft T8 Lamp only | 4-ft RWT8 Lamp Only | Lamp | \$1.00 |  |
|---|-------|-------------------|---------------------|------|--------|--|
|---|-------|-------------------|---------------------|------|--------|--|



#### PRESCRIPTIVE GENERAL LIGHTING UPGRADES

5. INTERIOR DE-LAMPING of T12 FIXTURES. Permanent reduction in the quantity of linear fluorescent lamps per fixture. This measure MUST be combined with another linear fluorescent lighting upgrade from T12 to T8, HPT8, RWT8, T5 or T5HO lighting systems. New and pre-existing fixture quantities must be the same. All T12 lamps and ballasts must be removed. Pre-existing fixtures may be re-used. New/retrofit fixtures may incorporate reflectors as necessary to meet IESNA illuminance recommendations. Maximum number of lamps removed per fixture is N-1, where N is the maximum number of lamps the pre-existing fixture is designed to hold.

| Measure<br>No. | From Existing T12 Lamp Length | Unit              | Quantity | Incentive per Unit | Extended Incentive |
|----------------|-------------------------------|-------------------|----------|--------------------|--------------------|
| 1L501          | 2-ft                          | Lamp Removed      |          | \$4.00             |                    |
| 1L502          | 3-ft                          | 3-ft Lamp Removed |          | \$6.00             |                    |
| 1L503          | 4-ft                          | Lamp Removed      |          | \$8.00             |                    |
| 1L504          | 8-ft                          | Lamp Removed      |          | \$12.00            |                    |

**6. INTERIOR HIGH BAY HID UPGRADES to FLUORESCENT LIGHTING.** One-for-one replacement of high-intensity-discharge (HID) fixtures such as probe start metal halide, mercury vapor, high pressure sodium or low pressure sodium, with T8, T5, Pulse Start Metal Halide or CFL Hi-Bay lighting systems. New fluorescent lamps must have a CRI  $\geq$  80. New ballasts for fluorescent lighting must be electronic; have a PF  $\geq$  0.90; produce a THD  $\leq$  20%; and carry a 5-year manufacturer's warranty. New ballasts for pulse start metal halides must have an efficiency  $\geq$  88%. New linear fluorescent fixtures may incorporate reflectors as necessary to meet IESNA illuminance recommendations. For existing fixture wattage, see Item 6: Standard Wattages on Page 14 of this Application.

| Measure<br>No. | From Existing<br>Equipment   | To New Equipment            | Unit    | Quantity | Incentive per Unit | Extended<br>Incentive |
|----------------|------------------------------|-----------------------------|---------|----------|--------------------|-----------------------|
| 1L601          | HID, 400 watts               | 8-lamp 42 w CFL             | Fixture |          | \$27.00            |                       |
| 1L602          | Probe Start MH,<br>400 watts | Pulse Start MH, ≤ 320 watts | Fixture |          | \$38.50            |                       |

|                | From Ex      | isting HID      | To N             | lew Linear Flu | orescent Lig            | ghting                     |                               |                                  |                       |
|----------------|--------------|-----------------|------------------|----------------|-------------------------|----------------------------|-------------------------------|----------------------------------|-----------------------|
| Measure<br>No. | Watts<br>(A) | Quantity<br>(B) | Lamp<br>Quantity | Lamp Type      | Fixture<br>Watts<br>(C) | Fixture<br>Quantity<br>(D) | Watts<br>Reduced<br>AxB - CxD | Incentive<br>per Watt<br>Reduced | Extended<br>Incentive |
| Example        | 1080         | 50              | 8                | F32T8          | 290                     | 50                         | 39500                         |                                  | \$13,825.00           |
| 1L603          |              |                 |                  |                | *******                 |                            |                               | \$0.35                           |                       |



#### PRESCRIPTIVE GENERAL LIGHTING UPGRADES

7. UPGRADES to LED or INDUCTION LIGHTING. One-for-one replacement/retrofit of existing HIDs, incandescent or fluorescent exit signs and incandescent traffic signals with LED or induction fixtures. LEDs replacing HIDs must use at least 40% less power and must have a an efficacy of  $\geq$  35 MLPW. LED driver must have a PF  $\geq$  0.90 and produce a THD  $\leq$  20%. Induction fixtures replacing HIDs must use 40% less power and have a rated life of  $\geq$  100,000 hours. New exit signs must be UL 294 and NFPA 101 Listed and use  $\leq$  5 watts per sign (excludes heads of combination emergency lighting-exit signs). Traffic signals must be Energy Star® Listed or equivalent.

| Measure | Existing                                      | To New    | Unit    | Quantity  | Incentive | Extended  |
|---------|---|-----------|---------|-----------|-----------|-----------|
| No.     | Equipment                                     | Equipment | 0       | Installed | per Unit  | Incentive |
| 1L701   | Exterior or Garage HID, ≤ 175 watts           |           | Fixture |           | \$60.00   |           |
| 1L702   | Exterior or Garage HID, 176 - 250 watts       | LED       | Fixture |           | \$75.00   |           |
| 1L703   | Exterior or Garage HID, 251 - 400 watts       |           | Fixture |           | \$120.00  |           |
| 1L704   | 24-Hr Exterior or Garage HID, ≤ 175 watts     |           | Fixture |           | \$100.00  |           |
| 1L705   | 24-Hr Exterior or Garage HID, 176 - 250 watts | Induction | Fixture |           | \$150.00  |           |
| 1L707   | 24-Hr Exterior or Garage HID, 251 - 400 watts |           | Fixture |           | \$200.00  |           |
| 1L708   | Incandescent or CFL Exit Sign                 |           | Sign    |           | \$15.00   |           |
| 1L709   | Incandescent Auto Traffic Signal              | . LED     | Signal  |           | \$20.00   |           |
| 1L710   | Incandescent Pedestrian Signal                |           | Signal  |           | \$12.00   |           |

8. RETROFIT LIGHTING CONTROLS. All controls must be hard-wired. All controls except multi-level switching must be automated. Centralized control must be schedule-based and have override capability. Day-lighting control may be centralized or distributed. Day-lighting control incentive is available for perimeter spaces (within 15-ft of windows) and areas with overhead day-lighting. Multi-level lighting must be schedule- or occupancy-based and may be combined with occupancy sensors for automatic control. Bi-level control must be able to reduce lighting by at least 50%. Occupancy sensors must have adjustable timing delays. Area units are per sq. ft. of controlled floor area.

| Measure<br>No. | From Un-controlled Lighting to New Controlled Lighting | Unit    | Quantity<br>Installed | Incentive per Unit | Extended<br>Incentive |
|----------------|--|---------|-----------------------|--------------------|-----------------------|
| 1L801          | Schedule-based Central Lighting Control                | sq. ft  |                       | \$0.10             |                       |
| 1L802          | Day-lighting Control                                   | sq. ft  |                       | \$0.10             |                       |
| 1L803          | Multi-level Switching                                  | sq. ft  |                       | \$0.05             |                       |
| 1L804          | Exterior HID Bi-level Switching                        | Fixture |                       | \$50.00            |                       |
| 1L805          | Sports-field HID Bi-level Switching                    | Fixture |                       | \$12.00            |                       |
| 1L806          | Occupancy Sensors, ≤ 500 watts controlled              | Sensor  |                       | \$30.00            |                       |
| 1L807          | Occupancy Sensors, > 500 watts controlled              | Sensor  |                       | \$65.00            |                       |

| rescriptive General Lighting Incentive Subtotal (\$) |  |
|--|--|
| rescriptive deficial lighting intentive subtotal (3) |  |



#### PRESCRIPTIVE MULTI-FAMILY LIGHTING UPGRADES

1. INCANDESCENT UPGRADES to COMPACT FLUORESCENT LAMPS & FUXITURES. One-for-one replacement or retrofit of common area lighting used at night (at least 12 hours per day). New self-ballasted CFLs must be ENERGY STAR Listed or equivalent, must have an efficacy ≥ 50 mean lumens per watt (MLPW), and may be installed in open or enclosed fixtures in accordance with manufacturer recommendations. New CFL fixtures must use pin-based CFL lamps and be hard-wired with electronic ballasts having a power factor (PF) ≥ 0.90 and producing a total harmonic distortion (THD) ≤ 20%.

| Measure<br>No. | From Existing                       | To New Equipment     | Unit    | Quantity<br>Installed | Incentive<br>per Unit | Extended<br>Incentive |
|----------------|-------------------------------------|----------------------|---------|-----------------------|-----------------------|-----------------------|
| 1MF101         | Incandescent, ≤100 watts            | CFL, ≤ 30 watts      | Lamp    |                       | \$2.00                |                       |
| 1MF102         | Incandescent, > 100 watts           | CFL, 31 - 115 watts  | Lamp    |                       | \$8.00                |                       |
| 1MF103         | Interior Incandescent fixture       | Interior CFL Fixture | Fixture |                       | \$40.00               |                       |
| 1MF104         | Exterior HID fixture, < 175 watts   | Exterior CFL Fixture | Fixture |                       | \$25.00               |                       |
| 1MF105         | Exterior HID fixture, 175-400 watts | Exterior CFL Fixture | Fixture |                       | \$40.00               |                       |
| 1MF106         | No Day-lighting Control             | Photo Cell Sensor    | Fixture |                       | \$5.00                |                       |

2. INTERIOR FLUORESCENT UPGRADES to T8 STANDARD PERFORMANCE LIGHTING. One-for-one retrofits/replacements of common area T12 lamp and ballast systems operating continuously (24 hrs/ day) to T8 lighting systems. New lamps must have a color rendering index (CRI)  $\geq$  80. New ballasts must be electronic; have a PF  $\geq$  0.90; produce a THD  $\leq$  20% for 4-ft lamps or a THD  $\leq$  35% for lamps less than 4-ft in length; and must have a 5-year manufacturer's warranty.

| Measure<br>No. | From<br>Existing Equipment | To<br>New Equipment | Unit    | Quantity<br>Installed | Incentive per Unit | Extended<br>Incentive |
|----------------|----------------------------|---------------------|---------|-----------------------|--------------------|-----------------------|
| 1MF201         | 24-Hr 4-ft T12 1-lamp      | 4-ft T8 1-lamp      | Fixture |                       | \$9.00             |                       |
| 1MF202         | 24-Hr 4-ft T12 2-lamp      | 4-ft T8 2-lamp      | Fixture |                       | \$10.00            |                       |
| 1MF203         | 24-Hr 4-ft T12 3-lamp      | 4-ft T8 3-lamp      | Fixture |                       | \$18.00            |                       |
| 1MF204         | 24-Hr 4-ft T12 4-lamp      | 4-ft T8 4-lamp      | Fixture |                       | \$20.00            |                       |
| 1MF205         | 24-Hr U-lamp T12 1-lamp    | U-lamp T8 1-lamp    | Fixture |                       | \$8.00             |                       |
| 1MF206         | 24-Hr U-lamp T12 2-lamp    | U-lamp T8 2-lamp    | Fixture |                       | \$10.00            |                       |

3. INTERIOR LINEAR FLUORESCENT UPGRADES to T5 STANDARD PERFORMANCE LIGHTING. One-for-one retrofits/replacements of common area T12 lamps and ballast systems operating at night (at least 12 hrs/day) or continuously (24 hrs/day) to T5 lighting systems. New lamps must have a CRI  $\geq$  80. New ballasts must be electronic; have a PF  $\geq$  0.90; produce a THD  $\leq$  20% for 4-ft lamps or  $\leq$  35% for lamps less than 4-ft in length; and carry a 5-year manufacturer's warranty.

| Measure<br>No. | From Existing Equipment | To<br>New Equipment | Unit    | Quantity<br>Installed | Incentive per Unit | Extended<br>Incentive |
|----------------|-------------------------|---------------------|---------|-----------------------|--------------------|-----------------------|
| 1MF301         | 24-Hr 4-ft T12 1-lamp   | 4-ft T5 1-lamp      | Fixture |                       | \$7.00             |                       |
| 1MF302         | 24-Hr 4-ft T12 2-lamp   | 4-ft T5 2-lamp      | Fixture |                       | \$8.00             |                       |
| 1MF303         | 24-Hr 4-ft T12 3-lamp   | 4-ft T5 3-lamp      | Fixture |                       | \$15.00            |                       |
| 1MF304         | 24-Hr 4-ft T12 4-lamp   | 4-ft T5 4-lamp      | Fixture |                       | \$16.00            |                       |

**4. DWELLING UNIT UPGRADES.** One-for-one retrofits/replacements of dwelling unit incandescent lamps and fixtures. New CFLs must be Energy Star® Listed or equivalent, have an efficacy ≥ 50 MLPW, and may be installed in open or enclosed fixtures in accordance with manufacturer recommendations.

| Measure<br>No. | From<br>Existing Equipment     | To<br>New Equipment | Unit    | Quantity<br>Installed | Incentive per Unit | Extended<br>Incentive |
|----------------|--------------------------------|---------------------|---------|-----------------------|--------------------|-----------------------|
| 1MF401         | Incandescent lamp, ≤ 100 watts | CFL ≤ 30 watts      | Lamp    |                       | \$2.00             |                       |
| 1MF402         | Incandescent lamp, > 100 watts | CFL > 30 watts      | Lamp    |                       | \$8.00             |                       |
| 1MF403         | Incandescent Fixture           | CFL Fixtures        | Fixture |                       | \$25.00            |                       |

| Prescriptive Multi-Family Lighting Incentive Subtotal (\$) |  |
|--|--|



## PRESCRIPTIVE HVAC UPGRADES

1. REPLACEMENT AIR CONDITIONING EQUIPMENT used for comfort cooling. Equipment can be packaged unitary or a split system. Split systems must include matched condensing unit and air handler or fan coil. Incentive available for no greater capacity than that of the existing equipment. Replacement equipment must use a refrigerant in compliance with the U.S. Clean Air Act, such as R-407C or R-410A. HCFC-22 (R-22) is not acceptable. Manufacturer's performance data must be certified by either the Air-Conditioning, Heating & Refrigeration Institute (AHRI, formerly ARI) or the Dept. of Energy under the National Appliance Energy Conservation Act (NAECA) as applicable.

| Measure<br>No. | Capacity per Unit |  | Phase   |         |       | Machine<br>Quantity | Total<br>Installed | Incentive<br>per Ton | Extended<br>Total |
|----------------|-------------------|--|---------|---------|-------|---------------------|--------------------|----------------------|-------------------|
| NO.            | MBH               | MBH Tons Value Units Installed Tonnage | Tonnage | per ron | TOTAL |                     |                    |                      |                   |
| 1H101          | < 65              | < 5.4                                  | 1       | 14.0    | SEER  |                     |                    | \$10.00              |                   |
| 1H102          | < 65              | < 5.4                                  | 3       | 13.0    | EER   |                     |                    | \$20.00              |                   |
| 1H103          | 65 - 134          | 5.4 - 11.2                             | 3       | 11.0    | EER   |                     |                    | \$20.00              |                   |
| 1H104          | 135 - 239         | 11.3 - 19.9                            | 3       | 11.0    | EER   |                     |                    | \$20.00              |                   |
| 1H105          | 240 - 759         | 20 - 63.3                              | 3       | 10.0    | EER   |                     |                    | \$20.00              |                   |
| 1H106          | ≥ 760             | ≥ 63.4                                 | 3       | 10.0    | EER   |                     |                    | \$30.00              |                   |

2. REPLACEMENT AIR-COOLED HEAT PUMP EQUIPMENT used for comfort cooling. Equipment can be packaged unitary or a split system. Split systems must include matched indoor unit and outdoor unit. Incentive available for no greater capacity than that of the existing equipment. Replacement equipment must use a refrigerant in compliance with the U.S. Clean Air Act, such as R-407C or R-410A. HCFC-22 (R-22) is not acceptable. Manufacturer's performance data must be certified by either the Air-Conditioning, Heating & Refrigeration Institute (AHRI, formerly ARI) or the Dept. of Energy under the National Appliance Energy Conservation Act (NAECA) as applicable.

| Measure | Capacity per Unit |             | Phase           |       | nent Criteria<br>Efficiency | Machine<br>Quantity | Total<br>Installed | Incentive | Extended |
|---------|-------------------|-------------|-----------------|-------|-----------------------------|---------------------|--------------------|-----------|----------|
| No.     | (MBH)             | (Tons)      | aude in egenera | Value | Units                       | Installed           | Tonnage            | per Ton   | Total    |
| 1H201   | < 65              | < 5.4       | 1               | 14.0  | SEER                        |                     |                    | \$15.00   |          |
| 1H202   | < 65              | < 5.4       | 3               | 13.0  | EER                         |                     |                    | \$30.00   |          |
| 1H2O3   | 65 - 134          | 5.4 - 11.2  | 3               | 11.0  | EER                         |                     |                    | \$30.00   |          |
| 1H2O4   | 135 - 239         | 11.3 - 19.9 | 3               | 10.0  | EER                         |                     |                    | \$30.00   |          |
| 1H205   | 240 - 759         | 20 - 63.3   | 3               | 10.0  | EER                         |                     |                    | \$30.00   |          |

3. RETROFIT and REPLACEMENT BUILDING SYSTEMS MEASURES to reduce HVAC loads. Programmable thermostat must replace existing manual thermostats in HVAC systems for comfort cooling. New thermostats must be ENERGY STAR® Listed or equivalent with at least 2 programs (for weekdays and weekends) with 4 time periods each. High performance glazing and window film must replace or be retrofit to existing double-pane, air-gap or single pane windows. Windows must face south, east or west. Replacement glazing must have a solar heat gain coefficient (SHGC)  $\leq$  0.39 and a U-factor  $\leq$  0.57. Window film retrofitted to existing glazing must result in an overall SHGC  $\leq$  0.39.

| Measure<br>No. | From Existing<br>Equipment                       | To New Equipment                   | Unit   | Quantity<br>Installed | Incentive<br>per Unit | Extended<br>Total |
|----------------|--|------------------------------------|--------|-----------------------|-----------------------|-------------------|
| 1H301          | Manual Thermostat                                | Programmable Thermostat            | T'stat | 1                     | \$75.00               |                   |
| 1H302          | Less than or equal to<br>Clear, Double Pane with | High Performance Glazing (Windows) | sq ft  |                       | \$0.25                |                   |
| 1H303          | Air Gap  | Window Film                        | sq ft  |                       | \$0.20                |                   |



## PRESCRIPTIVE HVAC UPGRADES

4. REPLACEMENT CHILLERS for comfort cooling purposes. Equipment can be air- or water-cooled, split or packaged systems. Compressors must be centrifugal or rotary screw. Incentive available for no greater capacity than that of the existing system. Replacement equipment must use a refrigerant in compliance with the U.S. Clean Air Act, such as R-410A, R-134A, or R-123. HCFC-22 (R-22) is not acceptable. Manufacturer's performance data must be certified by the Air-Conditioning, Heating & Refrigeration Institute (AHRI, formerly ARI).

| Measure | Equipment Type     | Capacity<br>Range |                     | Qualifying ency | Machine<br>Quantity | Total<br>Installed | Incentive<br>per Ton | Extended<br>Total |
|---------|--------------------|-------------------|---------------------|-----------------|---------------------|--------------------|----------------------|-------------------|
| No.     | Equipment Type     | (Tons)            | Full Load<br>kW/ton | IPLV<br>kW/ton  | Installed           | Tonnage            |                      |                   |
| 1H401   | Air-cooled Screw   | All               | 1.14                | 1.05            |                     |                    | \$20.00              |                   |
| 1H402   |                    | < 150             | 0.71                | 0.63            |                     |                    | \$15.00              |                   |
| 1H403   |                    | < 130             | 0.71                | 0.56            |                     |                    | \$20.00              |                   |
| 1H404   |                    |                   | 0.65                | 0.57            |                     |                    | \$15.00              |                   |
| 1H405   |                    | 150 - 300         | 0.03                | 0.51            |                     |                    | \$20.00              |                   |
| 1H406   | Water-cooled Screw | 130 - 300         | 0.57                | 0.51            |                     |                    | \$26.50              |                   |
| 1H407   |                    |                   | 0.37                | 0.45            |                     |                    | \$32.00              |                   |
| 1H408   |                    | > 300             | 0.58                | 0.51            |                     |                    | \$12.00              |                   |
| 1H409   |                    |                   | 0.56                | 0.40            |                     |                    | \$22.00              |                   |
| 1H410   |                    | > 300             | 0.51                | 0.46            |                     |                    | \$25.00              |                   |
| 1H411   |                    |                   | 0.51                | 0.40            |                     |                    | \$30.00              |                   |
| 1H412   |                    | < 150             | 0.63                | 0.60            |                     |                    | \$15.00              |                   |
| 1H413   |                    | < 130             | 0.03                | 0.51            |                     |                    | \$22.00              |                   |
| 1H414   |                    |                   | 0.63                | 0.51            |                     |                    | \$7.00               |                   |
| 1H415   |                    | 150 - 300         |                     | 0.48            |                     |                    | \$10.00              |                   |
| 1H416   | Water-cooled       | 130 - 300         | 0.57                | 0.54            |                     |                    | \$12.50              |                   |
| 1H417   | Centrifugal        |                   | 0.57                | 0.46            |                     |                    | \$20.00              |                   |
| 1H418   |                    |                   | 0.58                | 0.47            |                     |                    | \$7.00               |                   |
| 1H419   |                    | > 300             | 0.36                | 0.41            |                     |                    | \$12.00              |                   |
| 1H420   |                    | 2 300             | 0.52                | 0.49            |                     |                    | \$12.00              |                   |
| 1H421   |                    |                   | 0.52                | 0.42            |                     |                    | \$20.00              |                   |

5. VARIABLE FREQUENCY DRIVES (VFD) retrofitted (added) to existing, comfort cooling HVAC supply/return fans or secondary pumps of chilled water systems with a constant volume, primary-secondary pumping configuration. Existing equipment must be either non-modulating or modulated by means other than motor frequency/speed control. HVAC system must be used primarily for comfort cooling. Pump run time must be ≥ 2,000 hours per year.

| Measure<br>No. | HP<br>Category | VFD Application<br>(Select One) | Annual<br>Run Hours<br>(Pumps only) | VFD Qty | Total<br>Installed<br>HP | Incentive<br>per HP | Extended<br>Incentive |
|----------------|----------------|---------------------------------|-------------------------------------|---------|--------------------------|---------------------|-----------------------|
| 1H501          | 1 - 50         | Supply Air Fan                  |                                     |         |                          | \$80.00             |                       |
| 1H501          | 1 - 50         | Return Air Fan                  |                                     |         |                          | \$80.00             |                       |
| 1H502          | 1 - 50         | Secondary Loop ChW Pump         |                                     |         |                          | \$250.00            | 1111                  |

| rescriptive HVAC Incentive Subtotal (\$) |  |
|--|--|



## MOTOR UPGRADES

1. REPLACEMENT 3-PHASE MOTORS used on primary equipment only. Replacement motors must be new, rated and labeled NEMA Premium® Efficiency. Motors used for redundant or back-up equipment are not eligible. Rebuilt and rewound motors are not eligible.

| Measure<br>No. | Hp<br>Category | From Existing Equipment              | To New Equipment            | Motor Qty | Total<br>Installed<br>HP | Incentive per<br>HP | Extended<br>Incentive |
|----------------|----------------|--------------------------------------|-----------------------------|-----------|--------------------------|---------------------|-----------------------|
| 1M101          | 1-5            |                                      | NEMA Premium®<br>Efficiency |           |                          | \$3.50              |                       |
| 1M102          | 7½ - 20        | Less than or equal to EPAct Standard |                             |           |                          | \$2.50              | E-11000-1-10          |
| 1M103          | 25 - 100       | Efficiency                           |                             |           |                          | \$1.50              |                       |
| 1M104          | 125 - 250      | cinciency                            |                             |           |                          | \$1.00              |                       |

| Prescriptive Motor Incentive Subtotal (\$) |  |
|--|--|
|  |  |



#### PRESCRIPTIVE FOOD SERVICE UPGRADES

1. NEW or REPLACEMENT FOOD SERVICE EQUIPMENT must be new and commercial grade.

| Measure<br>No. | Item                               | Size           | Minimum<br>Efficiency | Quantity<br>Installed | Incentive<br>per item | Extended<br>Incentive |
|----------------|------------------------------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1F101          | Commercial Solid Door Refrigerator | < 15 cu ft     |                       |                       | \$50.00               |                       |
| 1F102          | Commercial Solid Door Refrigerator | 15 - 30 cu ft  |                       |                       | \$100.00              |                       |
| 1F103          | Commercial Solid Door Refrigerator | 31 - 50 cu ft  | ENERGY                |                       | \$150.00              |                       |
| 1F117          | Commercial Solid Door Refrigerator | > 50 cu ft     |                       |                       | \$200.00              |                       |
| 1F104          | Commercial Solid Door Freezer      | < 15 cu ft     |                       |                       | \$50.00               |                       |
| 1F105          | Commercial Solid Door Freezer      | 15 - 30 cu ft  |                       |                       | \$100.00              |                       |
| 1F106          | Commercial Solid Door Freezer      | 31 - 50 cu ft  |                       |                       | \$150.00              |                       |
| 1F118          | Commercial Solid Door Freezer      | > 50 cu ft     | □ STAR® [             |                       | \$300.00              |                       |
| 1F107          | Ice Machine, Air-Cooled            | < 500 lbs      | Listed                |                       | \$130.00              |                       |
| 1F108          | Ice Machine, Air-Cooled            | 500 - 1000 lbs | Listed                |                       | \$215.00              |                       |
| 1F109          | Ice Machine, Air-Cooled            | > 1000 lbs     | 7 [                   |                       | \$480.00              |                       |
| 1F110          | Steam Cooker                       | 3 Pan          | 7 [                   |                       | \$890.00              |                       |
| 1F111          | Steam Cooker                       | 4 Pan          | 7 [                   |                       | \$970.00              |                       |
| 1F112          | Steam Cooker                       | 5 Pan          |                       |                       | \$1,050.00            |                       |
| 1F113          | Steam Cooker                       | 6 Pan          | 7 [                   |                       | \$1,200.00            |                       |
| 1F114          | Hot Holding Cabinet                | Half           |                       |                       | \$140.00              |                       |
| 1F115          | Hot Holding Cabinet                | 3/4 Pan        |                       |                       | \$225.00              |                       |
| 1F116          | Hot Holding Cabinet                | Full           |                       |                       | \$420.00              |                       |

2. RETROFIT FOOD SERVICE EQUIPMENT added to existing equipment. Existing equipment must not already have the EEM component. Automatic anti-sweat heater control incentive not available with low- or zero-energy refrigerated case doors. Anti-sweat control must modulate heater power from 100% to 0% between store interior dew point temperatures of 55°F and 33°F, respectively. Vertical night cover incentive not available to 24-hour stores.

| Measure<br>No. | Item   | Unit      | Quantity<br>Installed | Incentive<br>per unit | Extended<br>Incentive |
|----------------|--|-----------|-----------------------|-----------------------|-----------------------|
| 1F201          | Refrigerated Vending Machine Controller w/Occupancy Sensor   | Machine   |                       | \$65.00               |                       |
| 1F202          | Automatic Anti-sweat Heater Control                          | Door      |                       | \$100.00              |                       |
| 1F203          | Vertical Night Covers for Open Refrigerated Cases            | Linear Ft |                       | \$6.00                |                       |
| 1F204          | Occupancy Sensor for Reach-in Cooler/Freezer w/ LED Lighting | Sensor    |                       | \$15.00               |                       |
| 1F205          | Strip Curtain for Walk-in Cooler with Door                   | Sq. Ft.   |                       | \$7.00                |                       |
| 1F206          | Strip Curtain for Walk-in Freezer with Door                  | Sq. Ft.   |                       | \$35.00               |                       |

3. RETROFIT FOOD SERVICE COMPONENTS replacing components or added to existing equipment. LED case lighting for reach-in coolers and freezers must be rated for cooler or freezer application as applicable. New and pre-existing case lighting lamps must be of the same length. New and pre-existing motors must be equally sized and ≥ 1/20 hp. Electronically commutated motor must reduce power consumption by at least 75% during compressor off cycle.

| Measure<br>No. | From Existing Equipment | To New Equipment                     | Unit      | Quantity<br>Installed | Incentive per unit | Extended<br>Incentive |
|----------------|-------------------------|--------------------------------------|-----------|-----------------------|--------------------|-----------------------|
| 1F301          | T8 Case Lighting        | LED Case Lighting                    | Door      |                       | \$35.00            |                       |
| 1F302          | Old Case Door Gasketing | New Refrigerated Case Door Gasketing | Linear Ft |                       | \$8.00             |                       |
| 1F303          | SP or PSC Case Motor    | Electronically Commutated Motor      | Motor     |                       | \$65.00            |                       |

| Prescriptive Food Service Incentive Subtotal (\$) |   |
|---|---|
| riescriptive rood service intentive subtotal (5)  | 1 |